

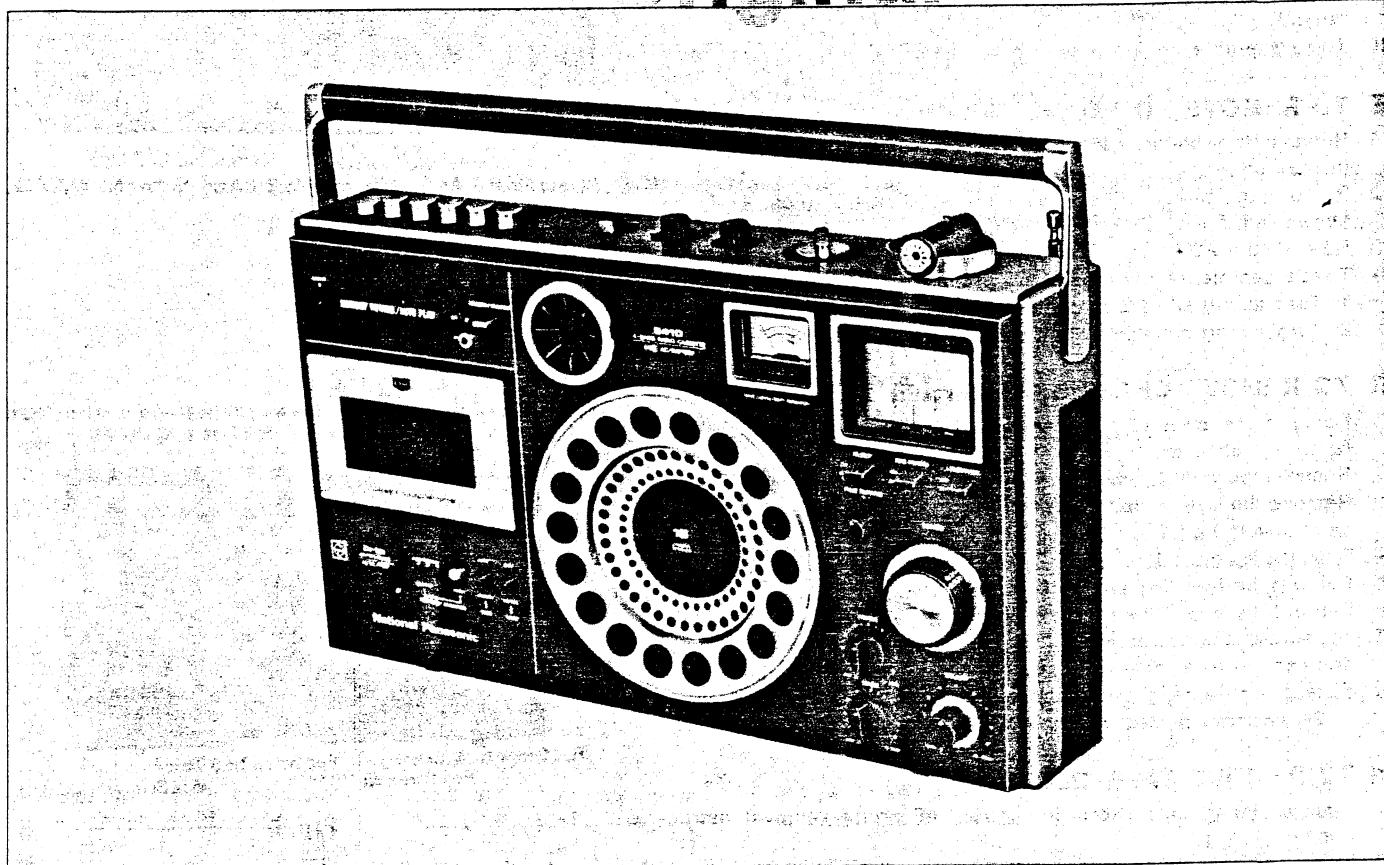
Service Manual

Radio

4-BAND PORTABLE RADIO
WITH CASSETTE TAPE RECORDER

Original

R-5410B



■ SPECIFICATIONS

Frequency Range:	MW 520~1610 kHz (577~186m) SW ₁ 1.6~4.5 MHz (187~66.7m) SW ₂ 4.5~12 MHz (66.7~25m) SW ₃ 12~26.1 MHz (25~11.5m)	Power Consumption: 15 Watt (AC Only)
Intermediate Frequency:	AM 455 kHz	Speakers: Woofer 16 cm (6 1/2") PM Dynamic Speaker
Sensitivity:	MW 50 μ V/m for 50mW Output SW ₁ 20 μ V/m for 50mW Output SW ₂ 5 μ V for 50mW Output SW ₃ 5 μ V for 50mW Output	Tweeter 3 cm (1 1/2") PM Dynamic Speaker
Power Output:	6.5W Maximum	Dimensions: 406(Wide) x 241(High) x 105(Deep) mm (16" x 9 1/2" x 4 1/2")
Power Source:	AC 115/200/220/240V 50/60 Hz, 12V (Eight "D" Size Flashlight Batteries) (National UM-1 or equivalent)	Weight: 4.3 kg (9 lb. 8 oz.) without batteries
		Speaker 8 Ω Earphone Jack 8 Ω Aux Jack 1M Ω Microphone Jack 47k Ω

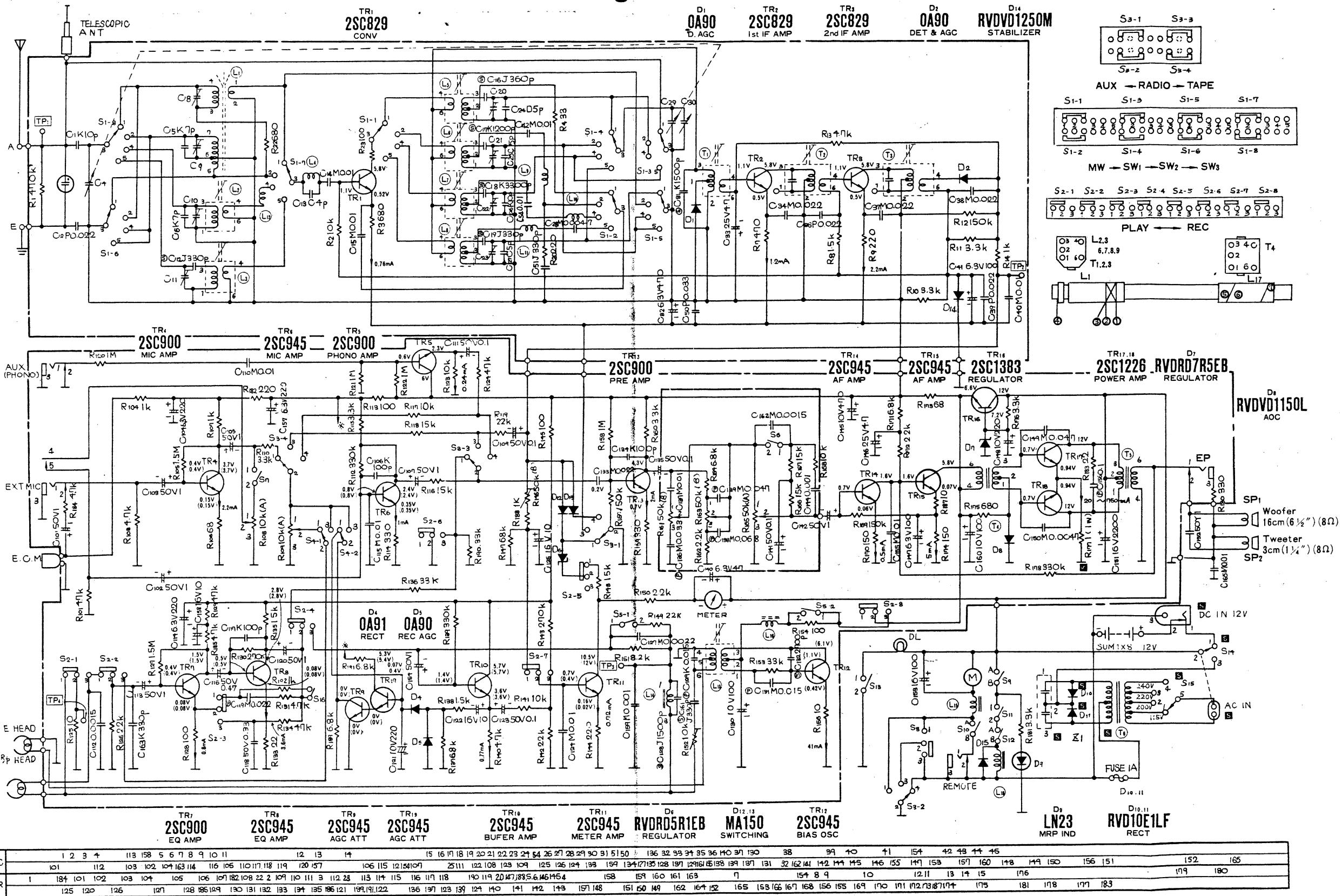
Specifications are subject to change without notice for further improvement.

 National Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka, Japan

2721

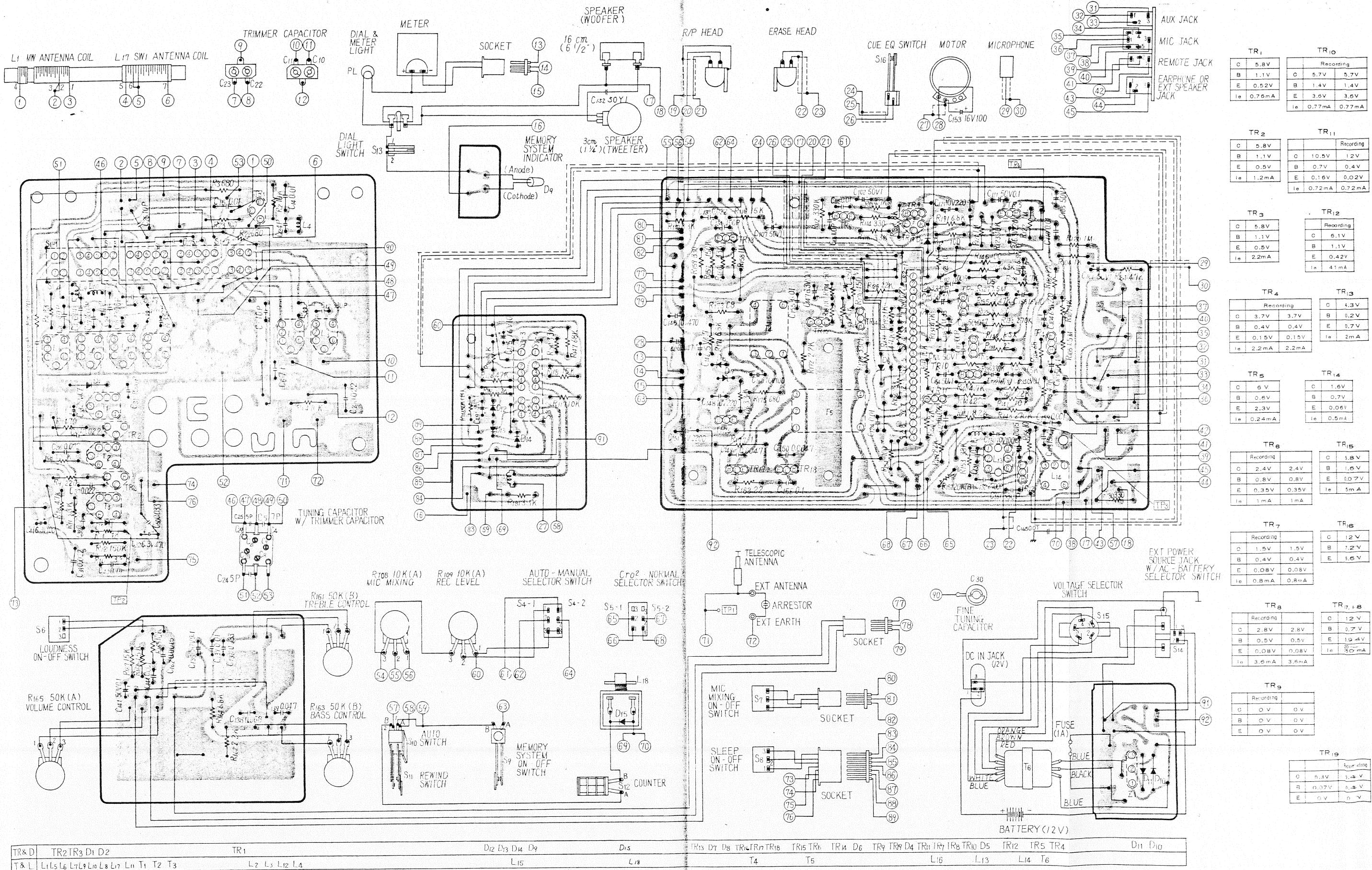
Schematic Diagram—Model R-5410B



Notes:

- S1-1~S1-8: Band selector in "MW" position.
- S2-1~S2-8: Recording-play selector in "Play" position.
- S3-1~S3-5: Radio-aux-tape selector in "Tape" position.
- S4-1, S4-2: Rec switch in "Manual" position.
- S5-1, S5-2: Tape switch in "Normal" position.
- S6: Loudness switch in "OFF" position.
- S7: Mic mixing switch in "OFF" position.
- S8: Sleep switch in "OFF" position.
- S9: Memory system switch in "OFF" position.
- S10: Auto switch in "OFF" position.
- S11: Rewind switch in "OFF" position.
- S12: Counter switch in "OFF" position.
- S13: Dial light switch in "OFF" position.
- S14: AC-battery selector in "Battery" position.
- S15: Voltage selector in "115V" position.
- S16: Cue EQ switch in "OFF" position.
- DC voltage measurements are taken with circuit tester 10kΩ/V from negative terminal of battery.
- ().....Recording position
- Battery current.....70mA
- Maximum output940mA

Circuit Board Wiring View–Model R-5410B



TR&D	TR ₂	TR ₃	D ₁	D ₂								
T&L	L ₁	L ₅	L ₆	L ₇	L ₉	L ₁₀	L ₈	L ₁₇	L ₁₁	T ₁	T ₂	T ₃

111

D₁₂ D₁₃ D₁₄ D₉

100

183

TR16 TRn TR18 TR15

11

06 1

TR₉ D

IR1 IR7 IR8 TR10 D5

12 TR5 TR4

Dn Dio

■ ALIGNMENT POINTS

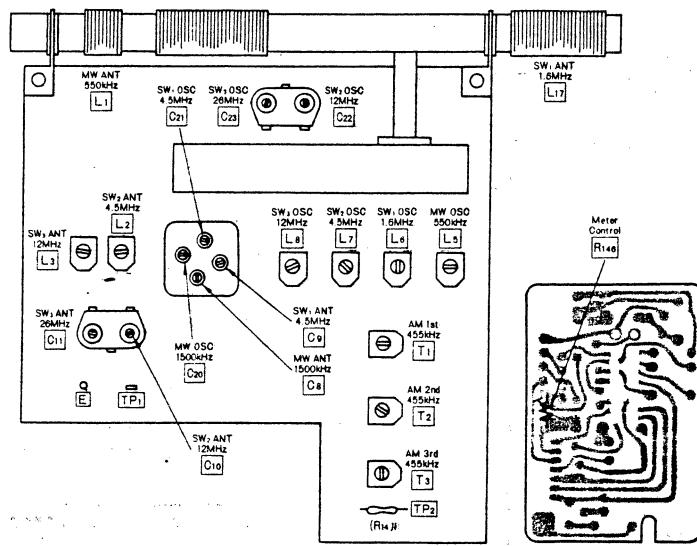


Fig. 9

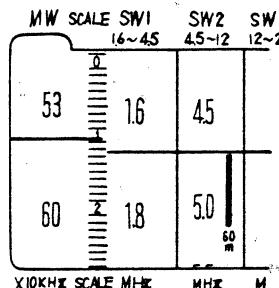


Fig. 10 (550 kHz)

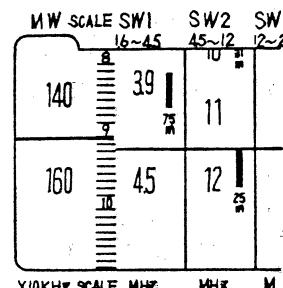


Fig. 11 (1500 kHz)

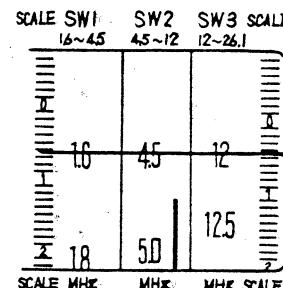


Fig. 12 (1.6 MHz)

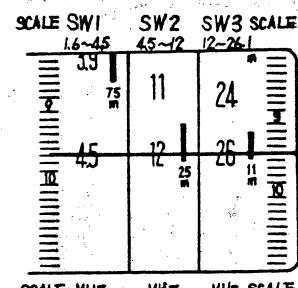


Fig. 13 (4.5 MHz)

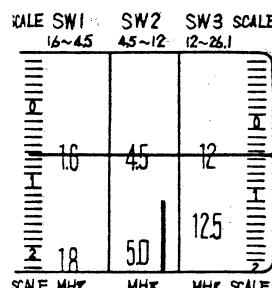


Fig. 14 (4.5 MHz)

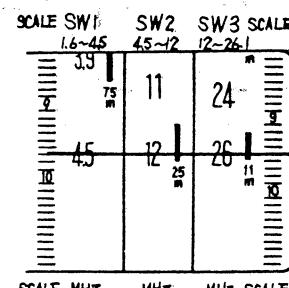


Fig. 15 (12 MHz)

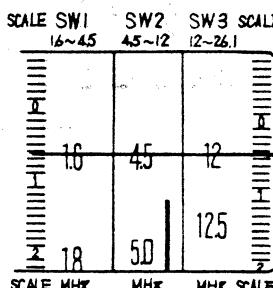


Fig. 16 (12 MHz)

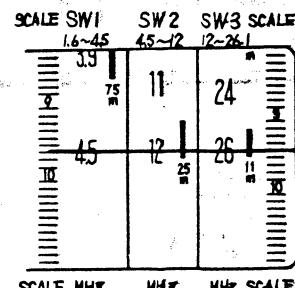
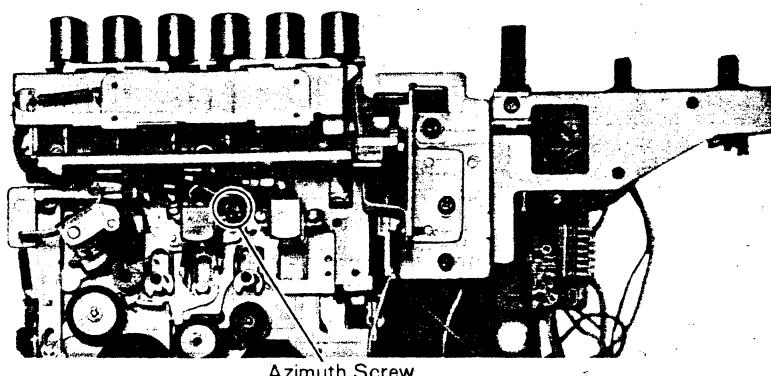
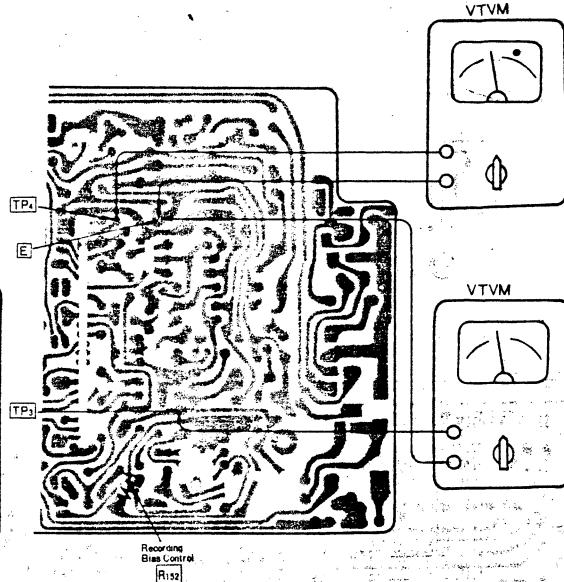


Fig. 17 (26 MHz)



Azimuth Screw

Fig. 18

MECHANISM PARTS LOCATIONS—TAPE DECK

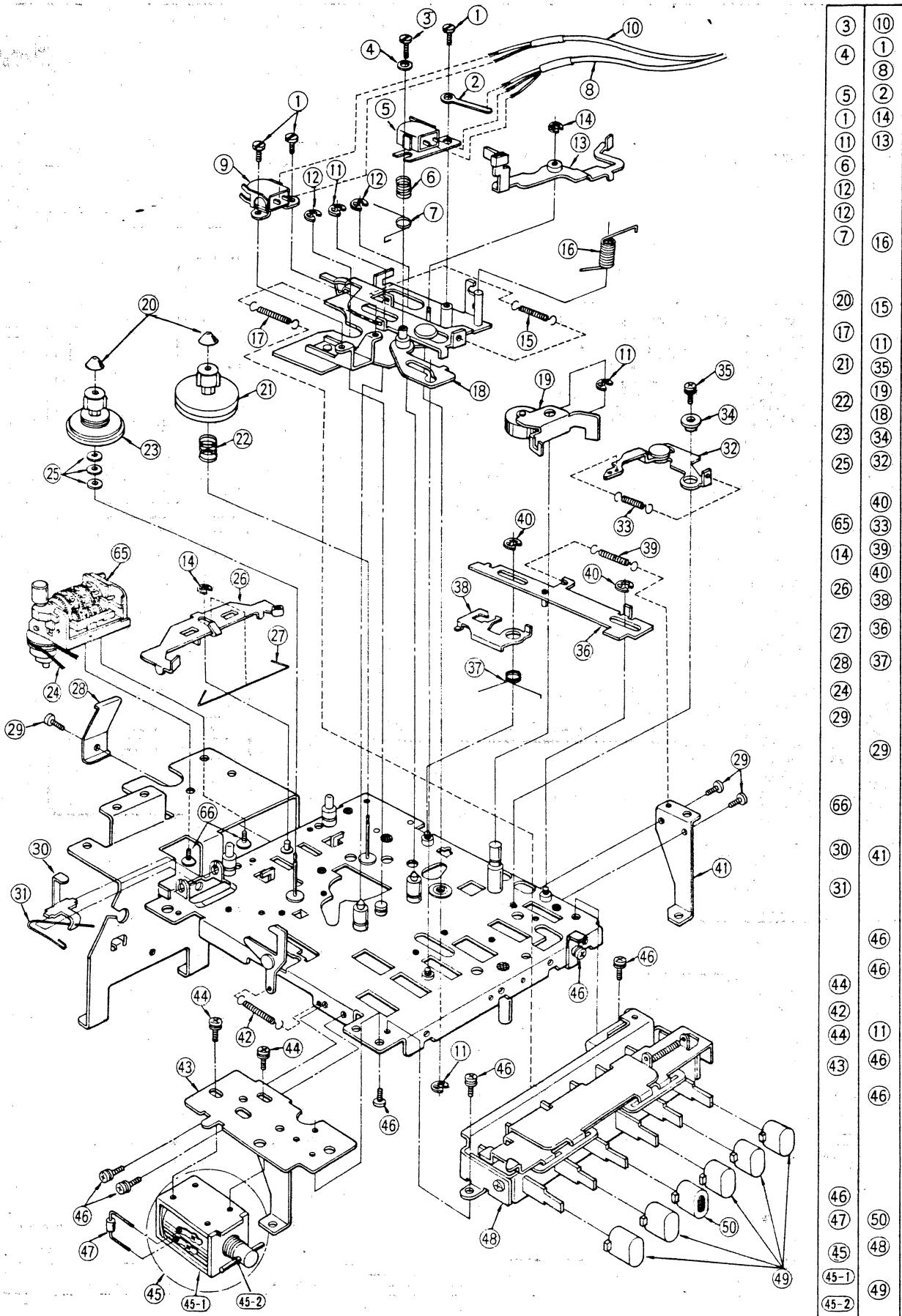


Fig. 19 (Top View)

MECHANISM PARTS LOCATIONS—TAPE DECK

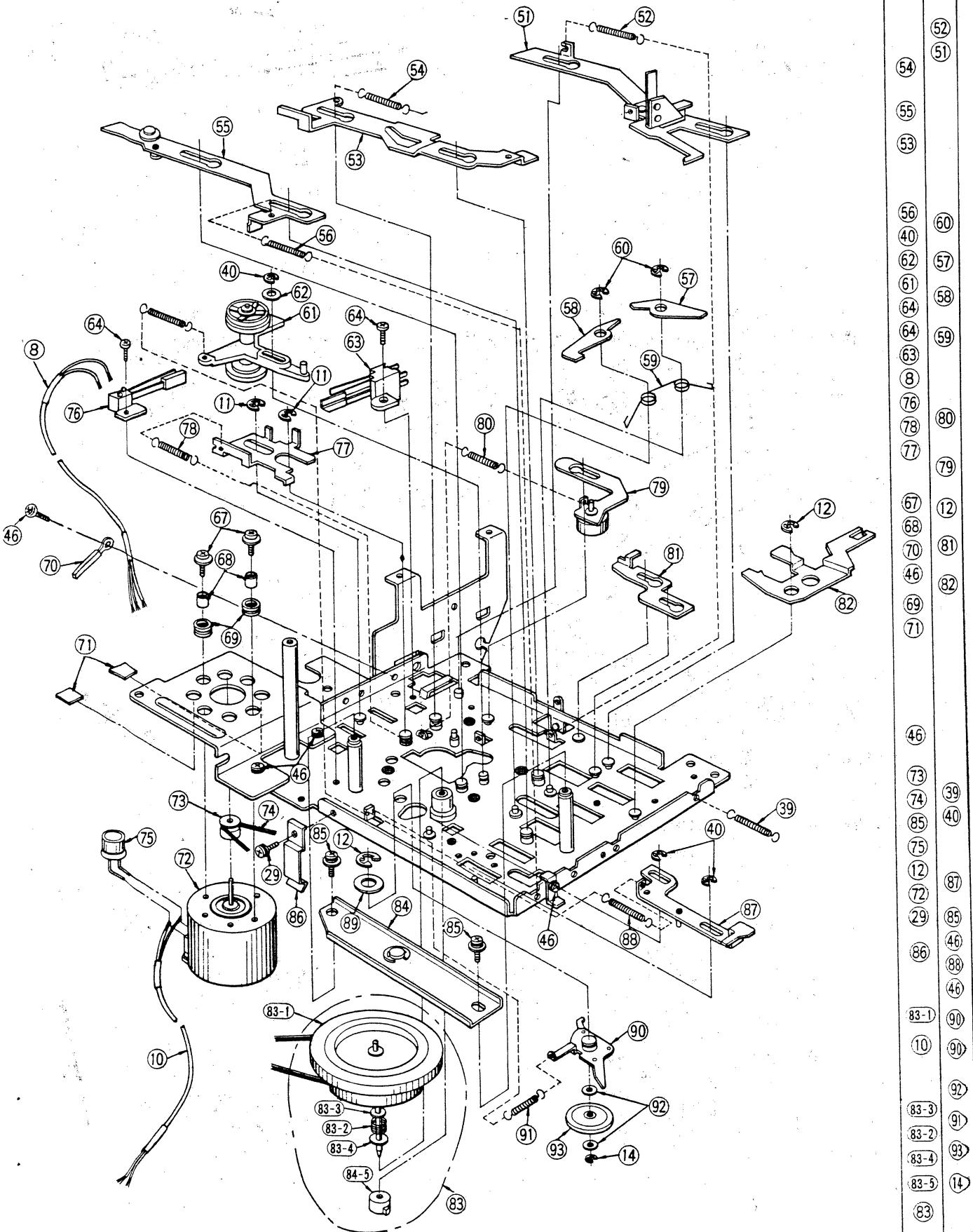


Fig. 20 (Rear View)

■ CABINET PARTS LOCATION

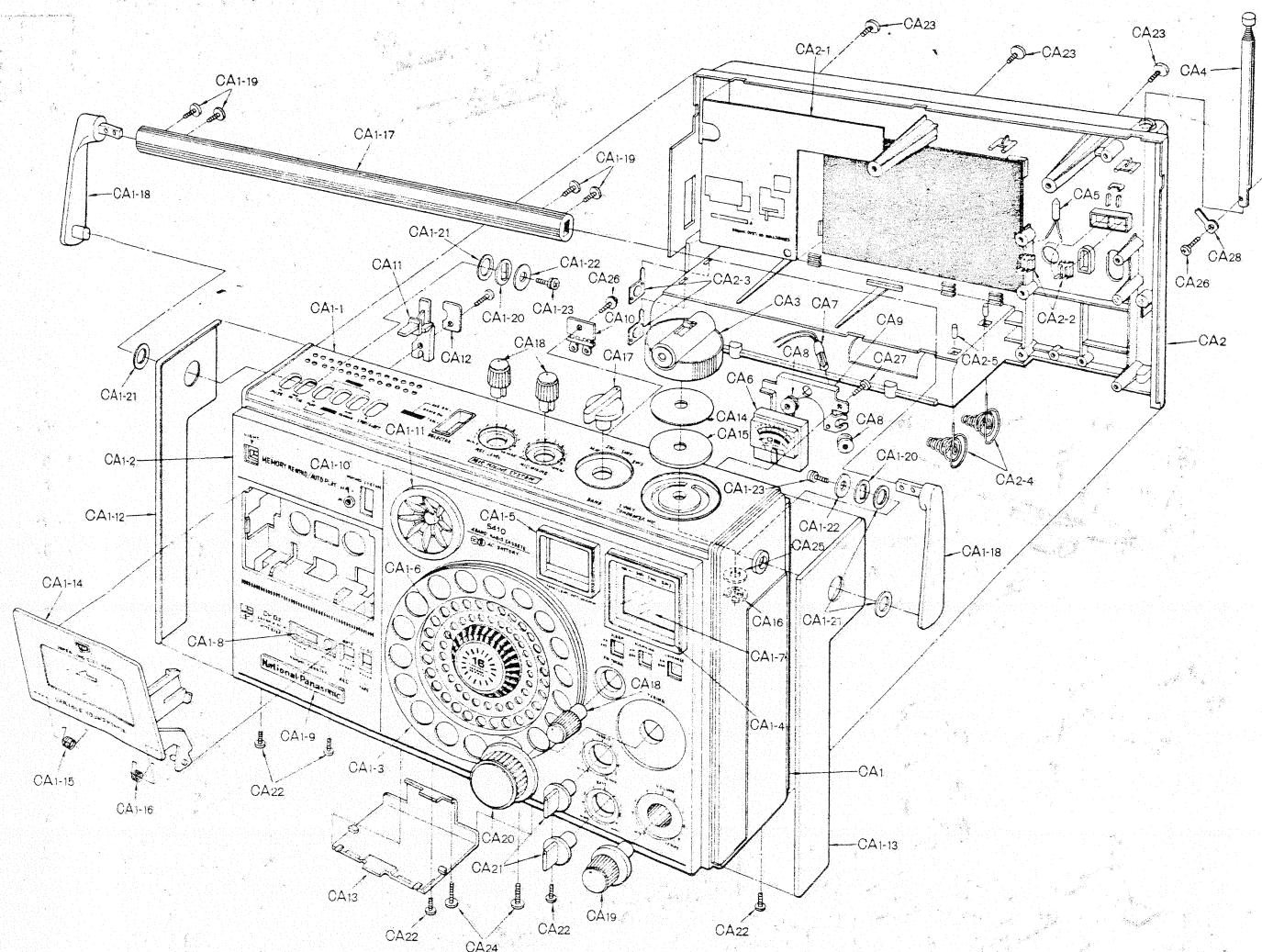


Fig. 21

■ CHASSIS PARTS LOCATION

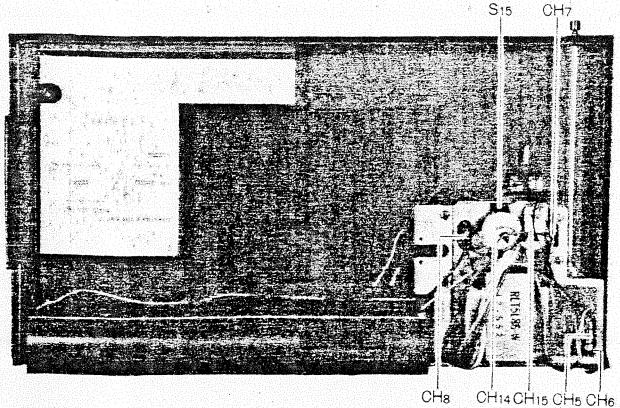


Fig. 22

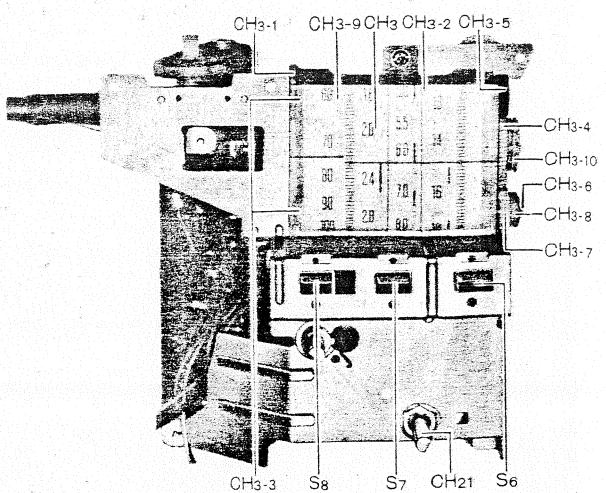


Fig. 23

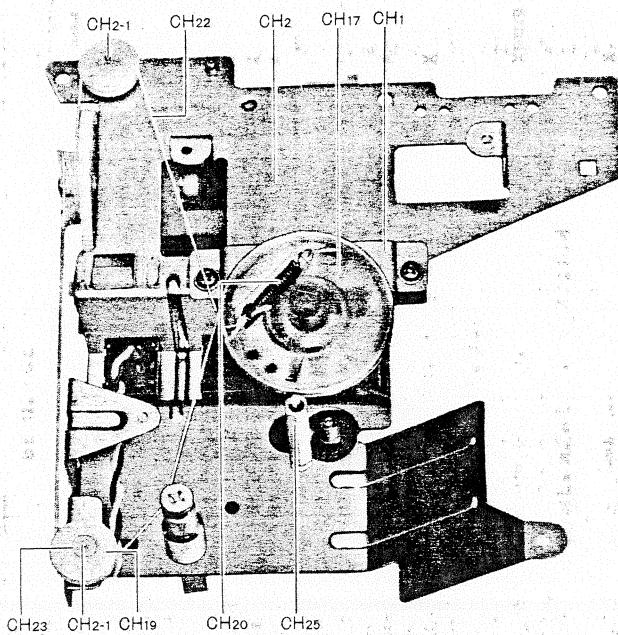


Fig. 24

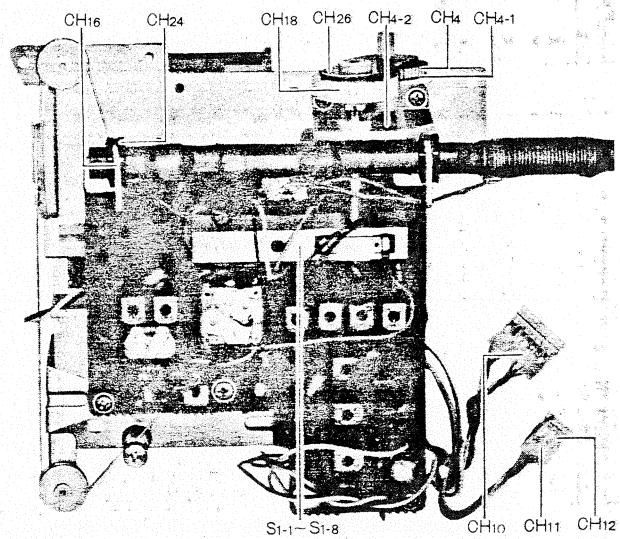


Fig. 25

■ ACCESSORIES AND PAKING MATERIALS

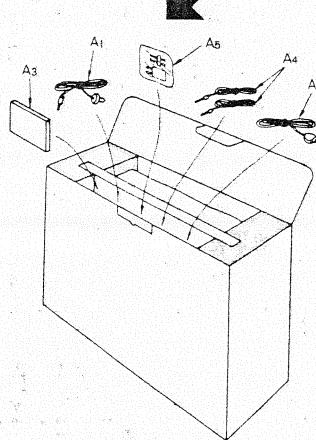
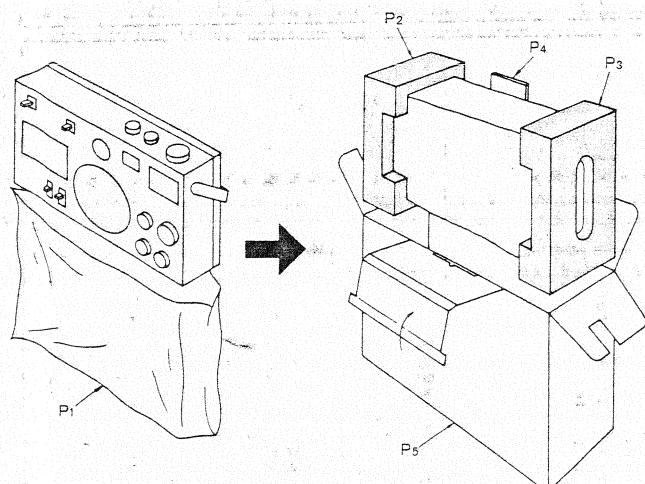


Fig. 27

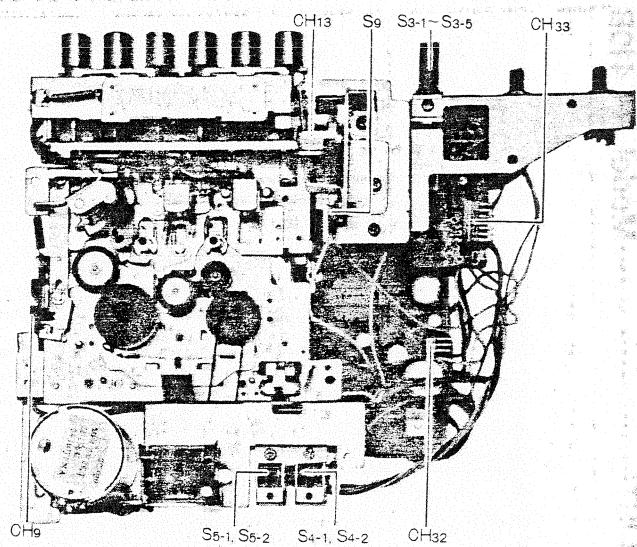


Fig. 26

REPLACEMENT PARTS LIST.....Model R-5410B

NOTES: 1. Part numbers are indicated on most mechanical parts.

Please use this part number for parts orders.

2. X-Z rank: X rank parts will cover 80% of repair needs.

X+Y rank parts will cover 95% of repair needs.

Z rank parts are less necessary.

3. **SAFETY** Indicates that only parts specified by the manufacturer be used for replacement in critical circuits.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
TRANSISTORS AND DIODES				
TR1,2,3	2SC829	Transistor(Si), Converter, 1st IF Amplifier, 2nd IF Amplifier	3	X
TR4,5,7,13	2SC900	Transistor(Si), MIC 1st Amplifier, PHONO(AUX) Amplifier, Equalizer, 1st Amplifier, PRE Amplifier	4	X
TR6,8,9,10,11,12,14,15,19	2SC945	Transistor(Si), MIC 2nd Amplifier, Equalizer 2nd Amplifier, AGC ATT Buffer Amplifier, Meter Amplifier, Bias Oscillator, AM 1st Amplifier, AF 2nd Amplifier, Regulator, AGC 1st Amplifier	9	X
TR16	2SC1383	Transistor(Si), Regulator	1	X
TR17,18	2SC1226	Transistor(Si), Power Amplifier	2	X
D1,2,5	OA90	Diode(Ge), AM Detector & AGC, AM D.AGC, REC AGC	3	X
D4	OA91	Diode(Ge), Rectifier AGC	1	X
D6	RVDRD5R1EB	Diode(Si), Regulator	1	X
D7	RVDRD7R5EB	Diode(Si), Regulator	1	X
D8	RVDVD1150L	Diode(Si), Operation Compensator	1	X
D9	LN23	Diode(Si), MRP Indicator	1	X
D12,13	MA150	Diode(Si), Switching	2	X
D14	RVDVD1250M	Diode(Si), Stabilizer	1	X
D10,11	RVD10E1LF	Diode(Si), Rectifier	2	X SAFETY
COILS AND TRANSFORMERS				
L1,17	RLF5F72-O	Antenna Coil, MW, SW1	1	X
L2	RLA3M5	Antenna Coil, SW2	1	X
L3	RLA3M6	Antenna Coil, SW3	1	X
L4,9	RLQY17SS5-O	Coil, Choke	2	Y
L5	RLO2M6	Oscillator Coil, MW	1	X
L6	RLO3M6	Oscillator Coil, SW1	1	X
L7	RLO3M7	Oscillator Coil, SW2	1	X
L8	RLO3M8	Oscillator Coil, SW3	1	X
L10	RLQY10G5-O	Coil, Choke	1	Y
L11	RLQY15SS5-O	Coil, Choke	1	Y
L12	RLQY50S5-O	Coil, Choke	1	Y
L13	RLO9C16-K	Oscillator Coil	1	OX
L14	RLE5001-K	Coil, Trap	1	OY
L15	RLQX101-1Y	Coil, Choke	1	Y
L16	RLQZ102-1-Q	Coil, Choke	1	Y
T1	RLI2M203	IFT, 1st	1	X

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
T2	RLI2M205	IFT, 2nd	1	X
T3	RLI2M402	IFT, 3rd	1	X
T4	RLT3G30-V	Input Transformer, P=1.4KΩ: S=1.4KΩ	1	X
T5	RLT2I15-W	Output Transformer, P=50Ω: S=8Ω	1	OX
T6	RLT5L86-W	Power Transformer	1	OX SAFETY

VARIABLE RESISTORS

R108,109	EVH60AF15A14	Variable Resistor, 10KΩ(A), Rec Level & Mic Mixing Control	2	OX
R161,163	EVHOXAF15B54	Variable Resistor, 50KΩ(B), Treble & Bass Control	2	OX
R165	EVHOXAF15A54	Variable Resistor, 50KΩ(A), Volume Control	1	OX
R146	EVLT4AA00B54	Semi-Fixed Variable Resistor, 50KΩ(B), Meter Control	1	X
R152	EVLT4AA00B24	Semi-Fixed Variable Resistor, 20KΩ(B), Rec Bias Control	1	X

VARIABLE CAPACITORS

C4,29	PVC2K20T1L	Tuning Capacitor, W/Trimmer Capacitor(C8,9,20,21)	1	X
C30	RCVFT1-19-4	Fine Tuning Capacitor	1	OX
C10,11,22,23	RCV2T-16M	Trimmer Capacitor	2	X

COMPONENT COMBINATION

Z1	RXAF103P22HD	Coils & Capacitors	1	X SAFETY
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SPEAKERS

SP1	EAS3KH01SB	Tweeter, 3cm(1 1/4") PM Dynamic Speaker, Imp.8Ω	1	OX
SP2	EAS16P48SA	Woofers, 16cm(6 1/2") PM Dynamic Speaker, Imp.8Ω	1	OX

SWITCHES

S1-1~S1-8	RSR87ZK-A	Switch, Band	1	X
S2-1~S2-8	RSH65Z-P	Switch, Recording-Play	1	X
S3-1~S3-5	RST30ZS-H	Switch, Radio-Aux-Tape	1	OX
S4-1,S4-2	RST68Z-H	Switch, Rec & Tape	2	OX
S5-1,S5-2				
S6,S7,S8	RSS43E	Switch, Loudness, Mic Mixing & Sleep	3	X
S9	RSH43Z-H	Switch, Memory System	1	X
S13	RSH61A	Switch, Dial Light	1	X
S15	ESE-3715	Switch, Voltage Selector	1	OX SAFETY

RESISTORS

R174	ERD18VJ151	150Ω, 1/8Watt, ±5%, Carbon	1	Z
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Ref. No.	Part No.	Part Name & Description	Per Set	Remarks	Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R187	ERD18VJ100	10Ω, 1/8Watt, ±5%, Carbon	1	Z	C24,25,27	ECCD1H050C	5PF, 50WV, ±0.25PF, Ceramic	3	Z
R125	ERD18SJ100	10Ω, 1/8Watt, ±5%, Carbon	1	Z	C5,6	ECCD1H070DC	7PF, 50WV, ±0.25PF, Ceramic	2	Z
R133,183	ERD18SJ220	22Ω, 1/8Watt, ±5%, Carbon	2	Z	C1,26	ECCD1H100KC	10PF, 50WV, ±10%, Ceramic	2	Z
R4	ERD18SJ330	33Ω, 1/8Watt, ±5%, Carbon	1	Z	C163	ECCD1H331K	330PF, 50WV, ±10%, Ceramic	1	Z
R106,173	ERD18SJ680	68Ω, 1/8Watt, ±5%, Carbon	2	Z	C2,36,39	ECKE1H223PF	0.022μF, 50WV, ±100%, Ceramic	3	Z
R113,128,145	ERD18SJ101	100Ω, 1/8Watt, ±5%, Carbon	4	Z	C50	ECKE1H333PF	0.033μF, 50WV, ±100%, Ceramic	1	Z
154					C28,149,150	ECKE1H472MD	0.0047μF, 50WV, ±20%, Ceramic	3	Z
R170	ERD18SJ151	150Ω, 1/8Watt, ±5%, Carbon	1	Z	C14,15,40,42,	ECKE1H103MD	0.01μF, 50WV, ±20%, Ceramic	11	Z
R9,144,182	ERD18SJ221	220Ω, 1/8Watt, ±5%, Carbon	3	Z	54,110,115,				
R114,159	ERD18SJ331	330Ω, 1/8Watt, ±5%, Carbon	2	Z	124,137,155				
R7	ERD18SJ471	470Ω, 1/8Watt, ±5%, Carbon	1	Z	165				
R3,175,	ERD18SJ681	680Ω, 1/8Watt, ±5%, Carbon	2	Z	C34,37,119,	ECKE1H223MD	0.022μF, 50WV, ±20%, Ceramic	4	Z
R14,104,107,	ERD18SJ102	1KΩ, 1/8Watt, ±5%, Carbon	4	Z	133				
188					C106,117,134	ECCV1H101K	100PF, 50WV, ±10%, Ceramic	3	Z
R8,135,138	ERD18SJ152	1.5KΩ, 1/8Watt, ±5%, Carbon	3	Z	C159	ECKE1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	Z
R150,162,172	ERD18SJ222	2.2KΩ, 1/8Watt, ±5%, Carbon	3	Z	C127	ECKE1H222MD	0.0022μF, 50WV, ±20%, Ceramic	1	Z
R10,11,110,	ERD18SJ332	3.3KΩ, 1/8Watt, ±5%, Carbon	7	Z	C112,162	ECKE1H152MD	0.0015μF, 50WV, ±20%, Ceramic	2	Z
115,160,176					C144	ECKD1H102PF	0.001μF, 50WV, ±100%, Ceramic	1	Z
181					C12,19,51,	ECQS1331JZ	330PF, 125WV, ±5%, Styrol	4	Z
R13,101,103,	ERD18SJ472	4.7KΩ, 1/8Watt, ±5%, Carbon	7	Z	161				
129,140,184					C16	ECQS1361JZ	360PF, 125WV, ±5%, Styrol	1	Z
185					C17	ECQS05122KZ	1200PF, 50WV, ±10%, Styrol	1	Z
R137,164,171	ERD18SJ682	6.8KΩ, 1/8Watt, ±5%, Carbon	5	Z	C31,128	ECQS05152JZ	1500PF, 50WV, ±5%, Styrol	2	Z
189,191					C132	ECQS05272KZ	2700PF, 50WV, ±5%, Styrol	1	Z
R2,117,123,	ERD18SJ103	10KΩ, 1/8Watt, ±5%, Carbon	5	Z	C18	ECQS05332KZ	3300PF, 50WV, ±10%, Styrol	1	Z
141,168					C38	ECQG05223MZ	0.022μF, 50WV, ±20%, Polyester	1	Z
R116,118,148	ERD18SJ153	15KΩ, 1/8Watt, ±5%, Carbon	5	Z	C131	ECQG05153MZ	0.015μF, 50WV, ±20%, Polyester	1	Z
166,167					C139	ECQG05473MZ	0.047μF, 50WV, ±20%, Polyester	1	Z
R119,126,142	ERD18SJ223	22KΩ, 1/8Watt, ±5%, Carbon	4	Z	C156	ECQG05104MZ	0.1μF, 50WV, ±20%, Polyester	1	Z
149					C138	ECQG05683MZ	0.068μF, 50WV, ±20%, Polyester	1	Z
R136,153	ERD18SJ333	33KΩ, 1/8Watt, ±5%, Carbon	2	Z	C136	ECQG05333MZ	0.033μF, 50WV, ±20%, Polyester	1	Z
R124,134	ERD18SJ473	47KΩ, 1/8Watt, ±5%, Carbon	2	Z	C129	ECM05153-KZ	0.015μF, 50WV, ±10%, Polyester	1	Z
R147	ERD18SJ683	68KΩ, 1/8Watt, ±5%, Carbon	1	Z	C109,111,123	ECEA50ZR1E	0.1μF, 50WV, Electrolytic	5	Y
R12,157,169	ERD18SJ154	150KΩ, 1/8Watt, ±5%, Carbon	3	Z	135,141				
R112,139,178	ERD18SJ334	330KΩ, 1/8Watt, ±5%, Carbon	3	Z	C152	ECEB50Y1	1μF, 50WV, Electrolytic	1	Y
R1	ERD18SJ474	470KΩ, 1/8Watt, ±5%, Carbon	1	Z	C140	ECEA6V47E	47μF, 6.3WV, Electrolytic	1	Y
R120,121,122	ERD18SJ105	1MΩ, 1/8Watt, ±5%, Carbon	4	Z	C41,147	ECEA6V100E	100μF, 6.3WV, Electrolytic	2	Y
158					C104,114,157	ECEA6V220E	220μF, 6.3WV, Electrolytic	3	Y
R105,127	ERD18SJ155	1.5MΩ, 1/8Watt, ±5%, Carbon	2	Z	C32	ECEA6V470E	470μF, 6.3WV, Electrolytic	1	Y
R192	ERD18SJ102	1KΩ, 1/8Watt, ±5%, Carbon	1	Z	C130,160	ECEA10V100E	100μF, 10WV, Electrolytic	2	Y
R130,143	ERD18SJ274	270KΩ, 1/8Watt, ±5%, Carbon	2	Z	C121,148	ECEA10V220E	220μF, 10WV, Electrolytic	2	Y
R151	ERD18SJ822	8.2KΩ, 1/8Watt, ±5%, Carbon	1	Z	C145	ECEA10V470E	470μF, 10WV, Electrolytic	1	Y
R131	ERD18VJ472	4.7KΩ, 1/8Watt, ±5%, Carbon	1	Z	C122,125,158	ECEA16V10E	10μF, 16WV, Electrolytic	3	Y
R20	ERD18TJ221	220Ω, 1/8Watt, ±5%, Carbon	1	Z	C151	ECEA16V2200	2200μF, 16WV, Electrolytic	1	Y
R190	ERD18VJ333	33Ω, 1/8Watt, ±5%, Carbon	1	Z	C33,146	ECEA25V4R7E	4.7μF, 25WV, Electrolytic	2	Y
R180	ERC12GM331	330Ω, 1/8Watt, ±20%, Solid	1	Z	C101,102,103	ECEA50V1E	1μF, 50WV, Electrolytic	8	Y
R23	ERD18TJ101	100Ω, 1/8Watt, ±5%, Carbon	1	Z	105,107,113				
R22	ERD18TJ681	680Ω, 1/8Watt, ±5%, Carbon	1	Z	120,154				
R177	ERX1ANJ1ROU	1.0Ω, 1Watt, ±5%, Metal Oxide	1	Z	C116	ECEA50Z47E	0.47μF, 50WV, Electrolytic	1	Y
R156	ERD18TJ100	10Ω, 1/8Watt, ±5%, Carbon	1	Z	C118	ECEA50Z33E	0.33μF, 50WV, Electrolytic	1	Y
					C142	ECEA50V1	1μF, 50WV, Electrolytic	1	Y
CAPACITORS									
G13	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1	Z	CABINET				
CAL	RYMR5410BX	Cabinet Body Assembly	1	OK					

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks	
CA1-1	Not Available, Order RYMR5410BX	Cabinet Body Only	(1)		
		Indicating Plate, Cabinet Upper Side	(1)		
		Escutcheon, Indicating Plate	(1)		
		Net, Speaker	(1)		
		Escutcheon, MEMORY REWIND/AUTO PLAY 5410 etc. Mark	(1)		
		Ornament (Large), Speaker	(1)		
		Ornament, Dial	(1)		
		Ornament, Meter	(1)		
		Ornament (Small), Speaker	(1)		
		Transparent Panel, Dial	(1)		
CA1-7		Transparent Panel, Counter	(1)		
CA1-8		Emblem, National Panasonic Mark	(1)		
CA1-9		Ornament, Diode	(1)		
CA1-10	RBZ4275Z	Ornament, Tweeter	1	OZ	
CA1-11	RGX721Z	Ornament, Cabinet Left Side	1	OZ	
CA1-12	RGX722Z	Ornament, Cabinet Right Side	1	OZ	
CA1-13	RKE9023Z	Cassette Lid	1	OY	
CA1-14	RUS243Z	Spring (Left Side), Cassette Lid	1	OY	
CA1-15	RUS244Z	Spring (Right Side), Cassette Lid	1	OY	
CA1-16	RYHR5410BX	Handle Assembly	1	OX	
CA1-17	(Not Available, Order RYHR5410BX)	Handle Only	(1)		
CA1-18	RKX100YS	Shaft (Steel), Handle	(1)		
CA1-19	XSB3+6BNS	Arm, Handle	2	Y	
CA1-20	RHM58Z	Screw, Handle M'tg	4	Z	
CA1-21	RNW824Z	Washer, Arm M'tg	2	Z	
CA1-22	XWG3F10	Washer, Arm & Microphone Assembly	4	Z	
CA1-23	XYN3+C8S	Washer, Arm M'tg	2	Z	
CA1-24	RYFR5410BX	Cabinet Back Cover Assembly	1	OX	
CA2	(Not Available, Order RYFR5410BX)	Cabinet Back Cover Only	(1)		
CA2-1	RMC368Z	Shield Plate, Cabinet Back Cover	1	OZ	
CA2-2	RJS71Z	Terminal, EXT. Ant & Earth	2	Y	
CA2-3	RJC111A	Terminal, Battery \oplus Side	2	Y	
CA2-4	RJC505Z	Spring, Battery \ominus Side	2	Y	
CA2-5	RJT398A	Connecting Pipe, Battery Spring	2	Z	
CA3	RWER5410BX	Microphone Assembly	1	OX	
CA4	KEARV163HAY	Telescopic Antenna, 8 Steps, 1077mm	1	OX	
CA5	XAN5T25	Neon Lamp, Arrestor, 100V, 0.3A	1	X	
CA6	RSM2607WK	Meter, TUNE/LEVEL/BATT Indicator	1	OX	
CA7	XAMR52T100	Pilot Lamp, Dial & Meter	1	X	
CA8	RHG211	Rubber Cushion, Pilot Lamp	2	Z	
CA9	RMM24Z	Bracket, Meter	1	OZ	
CA10	RJR1B	Terminal Strip (2 Terminals), Speaker	1	Z	
CA11	RJS253Z-X	Socket (3 Terminals), PC Board	3	OZ	
CA12	RBC97Z	Button, Dial Light	1	OY	
CA13	RUL428Z	Bracket, Dial Light Button	1	OZ	
	RKK108Z	Battery Cover	1	OX	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks	
CA14	RHG422Z	Rubber Cushion, Microphone Assembly	1	OZ	
CA15	RNW452Z	Washer, Microphone Assembly	1	OZ	
CA16	XUC6FW	Circlip, Microphone Assembly M'tg	1	Z	
CA17	RBS83YK	Knob, Band Selector	1	OX	
CA18	RBN283Y	Knob, Fine Tuning, Mic Mixing & Rec Level	3	X	
CA19	RBN284Y	Knob, Volume	1	X	
CA20	RBN294Z	Knob, Tuning	1	X	
CA21	RBS85Y	Knob, Treble & Bass	2	OX	
CA22	XTN3+10B	Screw, Cabinet Back Cover M'tg	5	Z	
CA23	XTB3+12BFN	Screw, Cabinet Back Cover M'tg	3	Z	
CA24	XSN3+6S	Screw, Cabinet Back Cover M'tg	2	Z	
CA25	RNW824Z	Washer, Microphone	1	Z	
CA26	XTN3+8B	Screw, Terminal Strip & Telescopic Ant. M'tg	2	Z	
CA27	XTW3+8E	Screw, Meter Bracket M'tg	1	Z	
CA28	RJT202B	Terminal, Telescopic Antenna	1	Z	

CHASSIS

CH1	RUL417Z	Bracket, Dial Drum	1	OX	
CH2	→RXER5410BX	Chassis Assembly	1	OX	
	Not Available, Order RYER5410BX	Chassis Only	(1)		
CH2-1	CH2-1	Shaft, Pulley	(2)		
CH3	→RYDR5410BX	Dial Assembly	1	OX	
CH3-1	Base (Plastic), Dial	(1)			
CH3-2	Transparent Panel, Dial	(1)			
CH3-3	Holler, Dial Scale	(2)			
CH3-4	Gear (Large), Dial	(1)			
CH3-5	Gear with Shaft, Dial (Low Frequency Side)	(1)			
CH3-6	Shaft, Gear of Dial (High Frequency Side)	(1)			
CH3-7	Gear, Dial (High Frequency Side)	(1)			
CH3-8	Spring, Gear	(1)			
CH3-9	Dial	(1)			
CH3-10	Circlip, Gear M'tg	(1)			
CH3-11	RDD200Z	Drum (Small), Dial	1	Y	
(Fig.7)	XTW3+10E	Screw, Drum (RDD200Z) M'tg	1	Z	
CH4	XWC3B	Washer, Drum (RDD200Z) M'tg	1	Z	
	RDG9003Z	Gear Assembly, Band Selector	1	OY	
	Not Available, Order RDG9003Z	Gear Only (Plastic), Band Selector	(1)		
CH4-1	CH4-1	Gear Only (Steel), Band Selector	(1)		
CH4-2	CH4-2	Holder, Gear	(1)		
CH5	XBA2C10TRO	Fuse, 1A	1	OX	<small>Safety</small>
CH6	RJF7A	Fuse Holder	2	Z	<small>Safety</small>
CH7	RJJ29Z-H	Jack, EXT. Power Source (AC IN)	1	Y	<small>Safety</small>
CH8	RJJ104Z-C	Jack, EXT. Power Source (DC IN 12V)	1	OY	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
CH9	RJJ105Z-C	Jack, Aux, Mic, Remote & Earphone	1	OY
CH10	RJS219Z-X	Socket(7 Terminals), Sleep Switch & PC Board	1	Z
CH11	RJS253Z-X	Socket(3 Terminals), PC Board & Mic Mixing Switch	3	OZ
CH12	RJT462Z-X	Terminal, Socket(RJS53Z-X & RJS219Z-X)	16	Z
CH13	RUB9016Z	Lever, Memory ON-OFF Switch	1	OY
	RUS80	Spring, Band Selector Gear	1	Z
	RHG845Z	Cover, Sleep, Mic Mixing, Loudness Switch	3	OZ
	RUV379Z	Cover, Rec & Tape Switch	2	Z
	RUV400Z	Cover, Memory ON-OFF & Power	2	OZ
	RUV401Z	Radio ON, Aux ON Selector		
CH14	RUV321Y	Cover, Play, Eject etc. Button	1	OZ
CH15	RUV387Z	Cover, Voltage Selector	1	Z SAFETY
		Cover, EXT. Power Source Jack (AC)	1	Z SAFETY
CH16	RMA140Z	Bracket, Ferrite Antenna	2	OZ
CH17	RDD410Z	Drum, Dial	1	Y
CH18	RDG564Z	Gear, Band Selector	1	OY
CH19	RDR23	Pulley, Dial	2	Y
CH20	RDS4090A	Spring, Dial	1	Z
CH21	RDT2273Z	Shaft, Tuning	1	OY
CH22	RDZ05A	Cord(500m), Dial	1Roll	Y
CH23	RNW150-2	Washer, Pulley	3	Y
	RHG56A	Rubber Cushion, Tuning Capacitor	1	Z
CH24	RHG109	Rubber Cushion, Ferrite Antenna	2	Z
	RHG707Z	Rubber Cushion, PC Board (RF Circuit)	1	Z
CH25	RHD3100AS	Stay Shaft, PC Board(RF Circuit)	1	Z
CH26	RHR788	Holder, Band Selector Gear	1	OZ
CH27(Fig.2)	XTN3+10BR	Red Screw, Chassis M'tg	9	Z
	XSN2+4	Screw, Sleep, Mic Mixing &	3	Z
		Loudness Switch M'tg		
	XSN2+W6	Screw, Memory ON-OFF Switch M'tg	1	Z
	XSN2+6	Screw, EXT. Power Source Jack (DC IN) M'tg	2	Z
	XSN26+6	Screw, Tuning Capacitor M'tg	2	Z
	XNS8	Nut, Tuning Shaft, Rec Level &	4	Z
		Mic Mixing M'tg		
	XNG3CS	Nut, Stay Shaft M'tg	1	Z
	XWA3B	Washer, Stay Shaft M'tg	1	Z
	XWV8	Washer, Tuning Shaft, Rec Level	3	Z
		Mic Mixing M'tg		
	RUL424Z	Bracket, Transformer	1	OZ
CH28(Fig.3)	XYN3+F6S	Screw, PC Board M'tg	2	Z
CH29(Fig.3)	XTN3+8F	Screw, PC Board M'tg	1	Z
CH30(Fig.4)	XTW3+6L	Screw, PC Board & Band Selector	6	Z
		Gear M'tg		
CH31(Fig.3)	XTW3+8L	Screw, PC Board M'tg	5	Z
CH32	RJP133Z	Plug(3 Pins), Socket(RJS253Z-X)	3	OZ
CH33	RJP135Z	Plug(7 Pins), Socket(RJS219Z-X)	1	OZ
CH34(Fig.4)	XYN3+F8S	Screw, PC Board(RF Circuit) M'tg	1	Z

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
ACCESSORIES				
A1	XEAH1A1-P	Earphone, Impedance 8Ω	1	Y
A2	RJA21C	Power Cord, AC	1	Y SAFETY
A3	RJN13Z	Cassette Tape	1	Y
A4	RJP44	Plug, EXT. Ant. & Earth	2	Y
A5	RJP120ZS-H	Plug, Power Source	1	Y SAFETY
PACKING MATERIALS				
P1	RPP176Z RPN9177Z Not Available. Order (RPN9177Z)	Polyethylene Cover Pad Complete Pad, Left Side	1 1 (1)	Z OZ
P2		Pad, Right Side	(1)	
P3	RQX5929Z	Instruction Book	1	OY
P4				
P5	RPK380Z	Gift Box	1	OZ
TAPE DECK				
1	RMQ296A	Screw, Erase, R/P Head M'tg	3	Z
2	RMQ117A	Lug Terminal, R/P Head Lead	1	Z
3	RMQ643Z	Screw, R/P Head M'tg (Azimuth Adjustment)	1	OY
4	RMQ298A	Washer, R/P Head M'tg	1	Z
5	RJH16Z	R/P Head with Plate	1	OX
6	RMQ116A	Spring, R/P Head M'tg	1	Y
7	RMQ644Z	Spring, R/P Head M'tg	1	OY
8	RMQ645Z	Lead Wire, R/P Head & Leaf Switch	1	OY
9	RJH17Z	Erase Head	1	OX
10	RMQ646Z	Lead Wire, Erase Head & DC Motor	2	OY
11	XUC3FW	E Ring, Head Base Assembly & etc. M'tg	5	Z
12	XUC4FW	E Ring, Head Base Assembly & Idler Assembly etc. M'tg	4	Z
13	RMQ510Z	Lever Assembly, Auto-Stop Sensing	1	Y
14	XUC15FW	E Ring, Auto-Stop Sensing Lever Assembly, Brake Arm Assembly & Idler M'tg	3	Z
15	RMQ647Z	Spring, Head Base Assembly	1	OY
16	RMQ648Z	Spring, Pinch Roller	1	OY
17	RMQ649Z	Spring, Head Base Assembly	1	OY
18	RMQ650Z	Head Base Assembly	1	OY
19	RMQ539Z	Pinch Roller Assembly	1	OX
20	RMQ401A	Cap, Reel Table	2	Z
21	RMQ651Z	Takeup Reel Table Assembly	1	OY
22	RMQ652Z	Spring, Takeup Reel Table Assembly	1	OY
23	RMQ653Z	Supply Reel Table Assembly	1	OY
24	RMQ654Z	Belt, Teap Counter	1	OX
25	RMQ655Z	Washer, Supply Reel Table Assembly	3	OZ
26	RMQ299A	Brake Arm Assembly	1	Y
27	RMQ302A	Spring, Brake Arm Assembly	1	Y
28	RMQ604Z	Spring, Cassette Pressure	1	Y

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks	Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
29	XSN26+3FZ	Screw, Bracket(RMQ659Z) & Cassette Pressure Spring & Cassette Holder M'tg	4	Z	70	RME70A	Lead Holder, DC Motor Lead	1	Z
30	RMQ317A	Safety Lever	1	Y	71	RMQ620Z	Cushion, DC Motor	2	Z
31	RMQ318A	Spring, Safety Lever	1	Y	72	MHJ5R2CD	DC Motor	1	OX
32	RMQ541Z	Lever Assembly, Auto-Stop Drive	1	Y	73	RMQ676Z	DC Motor Pulley	1	OX
33	RMQ542Z	Spring, Auto-Stop Drive Lever Assembly	1	Y	74	RMQ677Z	Belt, DC Motor	1	OX
34	RMQ516Z	Spacer, Auto-Stop Drive Lever Assembly	1	Z	75	ECEA16V100E	Electrolytic Capacitor	1	Y
35	XYN26+C5	Screw, Auto-Stop Drive Lever Assembly M'tg	1	Z	76	RMQ678Z	Leaf Switch	1	OX
36	RMQ656Z	Lever Assembly, Pause	1	OY	77	RMQ679Z	Rod, Leaf Switch	1	OZ
37	RMQ657Z	Spring, Lever Lock	1	OY	78	RMQ326A	Spring, Leaf Switch Rod	1	Y
38	RMQ658Z	Lever, Lever Lock	1	OY	79	RMQ680Z	Rewind Pulley Assembly	1	OX
39	RMQ320A	Spring, Memory Lock Lever & Pause Lever Assembly	2	OY	80	RMQ337A	Spring, Rewind Assembly	1	Y
40	XUC2FW	E Ring, Pause Lever Assembly & Auto-Stop Drive Pawl M'tg	4	Z	81	RMQ425Z	Lever, Eject	1	Y
41	RMQ659Z	Bracket, PC Board	1	OZ	82	RMQ681Z	Lever, Memory Lock	1	OY
42	RMQ423Z	Spring, Eject Lever	1	Y	83	RMQ682Z	Flywheel Assembly	1	OX
43	RMQ660Z	Bracket, Solenoid Assembly	1	OZ	83-1	(Not Available, Order	Flywheel Only	(1)	
44	XYN3+C6S	Screw, Solenoid Assembly M'tg	2	Z	83-2	RMQ682Z	Spring, Flywheel	(1)	
45	RMQ661Z	Solenoid Assembly with Plunger	1	OY	83-3	RMQ433Z	Washer, Flywheel	1	Z
45-1	(Not Available, Order	Solenoid & Plunger	(1)		83-4	RMQ530Z	Washer, Flywheel	1	Z
45-2	RMQ661Z	Spring, Plunger	(1)		83-5	RMQ526Z	Cam, Flywheel	1	Y
46	XYN26+C4	Screw, Bracket(RMQ660Z) & Button Mechanism Assembly & etc M'tg	9	Z	84	RMQ683Z	Retainer, Flywheel	1	OZ
47	RVD10D1	Diode	1	X	85	XYN3+F6S	Screw, Retainer(RMQ683Z) M'tg	2	Z
48	RMQ662Z	Button Mechanism Assembly with Button	1	OY	86	RMQ315A	Retainer, Cassette Tape	1	Z
49	RMQ663Z	Button, PAUSE, FF/CUE, PLAY REWIND, STOP/EJECT	5	OX	87	RMQ684Z	Pawl Assembly, Auto-Stop Drive	1	OY
50	RMQ664Z	Button, RECORD	1	OX	88	RMQ518Z	Spring, Auto-Stop Drive Pawl Assembly	1	Y
51	RMQ665Z	Lever Assembly, Record	1	OY	89	RMQ348A	Washer(Nylon), Idler Bracket	1	Z
52	RMQ666Z	Spring, Record Lever Assembly	1	OY	90	RMQ428Z	Bracket, Idler	1	Y
53	RMQ667Z	Lever Assembly, Rewind	1	OY	91	RMQ139A	Spring, Idler Bracket	1	Y
54	RMQ328A	Spring, Rewind Lever Assembly	1	Y	92	RMQ527Z	Washer, Idler	2	Z
55	RMQ668Z	Lever Assembly, Fast Foward	1	OY	93	RMQ353A	Idler	1	X
56	RMQ669Z	Spring, Fast Foward Lever Assembly	1	OY					
57	RMQ670Z	Lever, Review	1	OY					
58	RMQ671Z	Lever, Cue	1	OY					
59	RMQ672Z	Spring, Review & Cue Lever	1	OY					
60	XUC25FW	E Ring, Review & Cue Lever M'tg	2	Z					
61	RMQ673Z	Fast Forward Idler Assembly, Fast Foward	1	OY					
62	RMQ450Z	Washer, Fast Foward Idler Assembly	1	Z					
63	RMQ674Z	Leaf Switch	1	OX					
64	XSN26+5	Screw, Leaf Switch M'tg	2	Z					
65	RMQ675Z	Tape Counter	1	OZ					
66	XSS3-5S	Screw, Tape Counter M'tg	2	Z					
67	RMQ616Z	Screw, DC Motor M'tg	2	Z					
68	RMQ615Z	Spacer, DC Motor	2	Z					
69	RMQ171A	Rubber, DC Motor	2	Z					